

The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

Edward Tilton, W1HDQ

We are saddened to learn that VHF pioneer and former QST VHF Editor Ed Tilton, W1HDQ, of Spring Hill, Florida, died March 1. He was 89. In December 1939, Tilton inaugurated the first QST column devoted to VHF. Originally called "On the Ultra Highs," it eventually became "The World Above 50 MHz." Tilton edited the VHF column until he retired from the ARRL staff in 1960, reporting on-the-air activity and encouraging experimentation initially on the then 56 and 112-MHz amateur allocations and, later, on all VHF and UHF bands. The UHF DX Records box--the precursor of today's standings boxes--debuted in 1940.

During World War II, Tilton worked as a field engineer for the military on radar projects--mostly at Pearl Harbor and Guam, and became acquainted with the great technological progress the military was making in the VHF-UHF spectrum. Even while occupied with his military duties, he still managed to file occasional columns throughout the war years.

In 1947, Tilton established the first WAS standings box for 6 meters. In 1955, he proposed establishing the first calling frequencies for the 6 and 2-meter bands. Following his retirement, Tilton remained a QST Contributing Editor. He was the author of the ARRL's first VHF Manual and wrote numerous articles for QST.

Tilton's column inspired an entire generation of VHF and UHF enthusiasts and encouraged such activities as EME, meteor scatter and auroral propagation. He was considered an authority on sunspots and solar flares and their effects on propagation. As ARRL Executive Vice President David Sumner, K1ZZ, put it: "Ed Tilton was one of the outstanding amateur scientists of his generation. Perhaps more than any other individual, he led the exploration of the extended-range properties of the VHF and UHF bands."

Tilton was a life member of the ARRL. He also belonged to the QCWA and the Spring Hill Amateur Radio Club. He was a native of Springfield, Massachusetts. His wife, Leitha, died in 1995. His sister, Ruby, is among the survivors. He is to be interred in Canton, Connecticut. Donations in Ed Tilton's name may be made to the Hospice of the Florida Suncoast, 300 E Bay Dr, Largo, FL 34640. (from ARRL Special Bulletin ARLX008)

Malcolm Geddes, Z32JO

Mal Geddes wrote us a few years ago that he didn't know if he would live long enough to work more 6m F2 DX during the new solar cycle. We are saddened to learn that his premonition was correct; he has died of cancer of the colon after being diagnosed a couple months earlier.

Malcolm GEDDES—Ex. 2AKA, G2SO, VQ1JO, ZE3JO/VQ2, VQ3JO, VQ4JO, VQ5JO, ZE3JO/ZD6, ZE3JO/ZS8, ZD6JO, ZS8JO, ZE3JO, Z23JO/ZS6 passed away at 6:15 AM on April 1, 1997 at the Malvern Care Unit, Mvurwi, Zimbabwe.

Mal became a ham some years before the WWII. When that war was declared, he was actually on honeymoon in Belgium. On returning to the U.K., he joined the RAF, Bomber Command and was seconded to Marconi Research.

He and Margaret were married in June 1939—almost 58 years ago. Along with their two sons, they emigrated to Southern Rhodesia (now Zimbabwe) in 1950. During the earlier years, he and most often Ivan, Z23JJ, went on a number of 'safaris' in various parts of Africa and Mal must be about the only ham who has used, quite successfully, a tin leg as an aerial!

Mal is survived by his widow Margaret, two sons (neither of whom has followed his lead in radio), four grandchildren and one great grandchild.

I firmly believe that there will be a great many hams throughout the world who will feel his passing to the Great Ham Station in the Sky.

73 and love, Dirk (Elder son of Mal, Z23JO).

ARRL Spring Sprint, 50 MHz

Readers are reminded of the ARRL VHF/UHF Spring Sprints, single band contests. The 50 MHz Sprint starts May 17 at 2300Z and ends four hours later, May 18 at 0300Z.

This is a perfect opportunity to check out your 6m station in preparation for the June 14-16 ARRL VHF QSO Party. Exchange grid-square locations. Signal reports are optional. One point per valid QSO. The final score is the QSO points X grid squares.

Logs must indicate time, call sign and complete exchange for each valid QSO. Multipliers must be clearly marked in the log. A summary sheet is also required. Official entry forms may be found in *The 1997 ARRL Contest Yearbook*. Entries may also be submitted via Internet (to contest@arrl.org), BBS (860-594-0306), or on disk, following the ARRL Suggested File Format. Entries for each Sprint must be postmarked by June 19, and should be separated by band. The results will be listed in *NCJ*.

1997 50 MHz DX Marathon

The 50 MHz DX Bulletin is sponsoring its fourth 50 MHz DX Marathon, in which the object is to work 6m stations in as many grid fields (10' x 20' areas) as possible. (The grid field is the first two letters of a grid square.) This year's contest period will run from 00Z June 21 to 00Z July 21. Only one QSO per station worked should be reported unless either station has changed grid fields, and only one QSO of distance shorter than 4400 km should be reported per grid field.

It is thus expected that participants will abstract those QSOs qualifying from their regular and contest logs. The only over-the-air exchange required is call signs, but you are expected to log date & time UTC and to report the location or grid square with sufficient accuracy to verify the distance.

Scoring, 6 points for QSOs with stations more distant than 8800 km, 3 points for QSOs with stations between 4400 and 8800 km, 0 points (but a multiplier for new grid fields) for QSOs with stations closer than 4400 km. Multiplier: number of grid fields. Final score = (Contact Points + 1) X grid fields. Logs should be posted by August 10, 1997.

February-April 1997 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of G4UPS, GJ4ICD's *Internet Six News* (marked with #), SM7AED's *Six-metre Info*, JA1VOK's columns *World VHF News* in FIVE NINE and *V,UHF DX Topics* in MOBIL HAM, VK3OT, PY5CC, LW5EJU, EH8BPX, ZL1MQ, ZL3TY, VE7SKA, W0MTK, and postings on the Internet. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1997. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this time. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, A=Baby room monitor, B=beacon, C=CW, D=Digital, P=Cordless Phone, S=SSB, T=Television, W=worked, mode not indicated, H=heard only.

Reports of Africa

ASCENSION IS.
02202105 ZD8VHF 50.0325 B EH8BPX
03192138 ZD8VHF 41 50.0325 B EH8BPX

MADEIRA IS.
02222119 CT3HF 59+ -2154 50.115 S EH8BPX
02231036 CT3HF 59+ -1152 50.115 S EH8BPX
03011520 CT3HF 59 tr 50.115 S EH8BPX

MOROCCO
02221409 CN8KD 53 145.300 F EH8BPX

NAMIBIA
03261500 V51VHF 529-579 TEP 50.018 B IK0FTA#
03271400 V51VHF 59+ -1415 TEP B 4Z5JA#
03311741 V51VHF 579 50018 B 9H1CG#

Reports of Asia

ASIA, GENERAL

04110700 ASIAN TV VID LOUD 49.750 V VK3OT
04130730 ASIAN TV R1 49.750 V VK3SIX
04190800 ASIAN TV 539 345° 49.750 V VK3OT
04200330 ASIAN VIDEO R1 58 49.750 V ZL3TIC
04200520 ASIAN VIDEO R1 539 49.749 V VK3OT

CHINA

04070530 BY TV > QG56 49.750 V VK4JSR
04070700 BY TV -0800 49.750 V VK3SIX

JAPAN

01021130 JR6YAG/B PL36 50.036 B JA9SJI
01111130 JR6YAG & 1300 PL36 50.036 B JA1-6

KOREA,S.

01111030 DS1CMD 51.020 F JA1/2
01111040 HL1LTC 50.120 S JA1/2

RUSSIAN FEDERATION (ASIA)

03230407 UATV S2 Vladivostok 49.759 V VK4JSR#

TAIWAN

04190600 BV4PH >PM63 50.120 S JA5CMO
04190710 BV2FG >PM63 50.110 H JA5CMO

Reports of Europe

EUROPE GENERAL

03141120 EUR INBAND TV > IO91 I G3HBR
03311609 EUR VID strong 49750 V G6YIN#

AUSTRIA

03311545+OE < 1718 H G4IGO
03311618 OE3LPB cqcq 50110 G4VPD#

AZORES

03311851 CU3URA & 1914 50014 B CU7BC#

CZECH REPUBLIC

03311617 OK/HA vid 59+ > io92 50000 I G4VPD#

DENMARK

03301021 OZ6VHF 569 -1023 B G4UPS
03310805 OZ2LD 559 MS H G4UPS

ESTONIA

03301030 ES0SIX 559 -1036 B G4UPS

FRANCE

0331XXXX F1MXE SP5QWB

GERMANY

03311616 DJ0IZ 51 jo21>jo42 50150 PE1PZS#
03311640 DJ0IZ 53 jo42 >jo33 50150 PE1LAU#
03311720 DL9YFY 519 50114 ON9BGP#
03312103 DF2JQ 50150 PA3FYM#

HUNGARY

03311545+HG < 1718 H G4IGO

ITALY

03311252 I3LLH JN65-JN68 56 50111 OE5UAL#
03311748 I5MMC JN53>IO93 50150 G6YIN#

NETHERLANDS

03311705 PA3FYM 599 50054 ON5FU#
03312113 PA3FYM io73tg 50150 GW0GEI#

POLAND

03311545 SP9 W G4IGO
03311558 SP2OFW 59 50110 F6FLV#
03311717 SP9UNX 55 burst 10 s 50150 PE1OZH#

PORTUGAL

02192044 CTOWW 50.030 B EH8BPX

02201551 CTOWW 50.030 B EH8BPX
 02202100 CTOWW 50.030 B EH8BPX
 02211043 CTOWW 50.030 B EH8BPX
 02221329 CTOWW 50.030 B EH8BPX
 03010846 CTOWW 50.030 B EH8BPX
 03020923 CTOWW 50.030 B EH8BPX
 03112145 CT MILITARY 59 50.076 F EH8BPX
 03242127 CTOWW 50.030 B EH8BPX

SCOTLAND

03300923 GB3LER 449 IN/OUT B G4UPS

SERBIA

03311545+YU < 1718 H G4IGO

SWEDEN

03010847 SM7FJE 579/559 > IO80JV C G4UPS
 03080856 SM7FJE 579/559 MS C G4UPS
 03150859 SM7AED 579/559 MS C G4UPS
 03160824 SM7AED 559/459 MS C G4UPS
 03230820 SM7AED 559 H G4UPS
 03280911 SM7AED 579/579 C G4UPS
 03301017 SM5SMH 57/53 JO89TW ROINE S G4UPS

VATICAN

03141200 HV3SJ 579-->599 -1215 B G4UPS

Reports of North America

ALASKA

04110516+KL7FZ BP51 > DO33 AUE 50. VE6MK
 04110516+KL7Y BP51 > DO33 AUE 50. VE6MK
 04170420 KL7NO BP54 > DO21 50 AUE H VE6XT

EASTERN CANADA

04102314 VE1ZOS 55A FN48>FN13 144 W N2DKP
 04102333 VE3CWJ 59A EN96>FN13 144 W N2DKP
 04110026 VE9PA 55A FN65>FN13 144 W N2DKP
 04110100 VE3AX FN02 144 W KOGJX
 04110117 VE3CWJ EN96 144 AU W WB9SNR
 04110135 VE3VHB FN24 144 AU W WB9SNR
 04110305 VE3SXE FN25>EN74 AU 50.1 N8CGY
 04110308 VE3FIT FN03>EN74 AU 50.1 N8CGY
 04110312 VE2VAT FN45>EN74 AU 50.1 N8CGY
 04110328 VE3FCX 52A FN03* > EM79 50 N8ZJN
 04110333 VE3TFU 55A EN93* > EM79 50 N8ZJN
 04110341 VE3FOD 20/9A EN76>FN13 144 W N2DKP
 04110400 VE3TOL 57A EN76>FN13 144 W N2DKP
 04212050 VE9AA 55A >FN13 AU 144.208 W K2SPO
 04212105 VE3KRP EN58 >EN74 50.1 N8CGY
 04212208 VE3SXE FN25 >EN74 50.1 N8CGY
 04212335 VA3AEC EN82 >EN74 50.1 N8CGY
 04212340 VE3CWJ EN96 ON>FN20 AU 144 AA3GN
 04212358 VE3CXN EN94 >EN74 50.1 N8CGY
 04230049 VA3DPB EN58 > EM21 W WA5JCI

WESTERN CANADA

04110142 VE6EMU 70° DO33 50.041 B VE7SKA
 04110201 VE6NA 60° DO20 50.125 C VE7SKA
 04110217 VE7HCP 70° CN89 50.125 S VE7SKA
 04110219 VE7RKC 50° DO00 50.130 S VE7SKA
 04110220+VE3GBA/7 CN88>DO31 144 AU W VE6TA
 04110220+VE6MK > DO31AH 144 AU H VE6TA
 04110220+VE6XT > DO31AH 144 AU H VE6TA
 04110220+VE7ASY DN09> DO31AH 144 AU W VE6TA
 04110220+VE7SKA > DO31AH 144 AU H VE6TA
 04110300 VE6NTT 65° DO31 50.1 S VE7SKA
 04110300+VE7 > DN17 AU N3CEV/7
 04110347 VE6ARC 55° DO05 50.044 B VE7SKA
 04110352 VE7SKA CN88 > CN84 AU 144 W K7ZL
 04110354 VE7BEE 70° DN09 50.125 C VE7SKA
 04110355+VE7/VE3GBA CN88>CN84 AU144 W K7ZL
 04110422 VE4VHF 95° EN19 50.037 B VE7SKA
 04110430 VE7HCE CN99 > CN85 50 H N7DB
 04110447 VE6BPR 60° DO33 50.1 H VE7SKA
 04110516 VE6MK DO33 > FN02 AUE 50. W2DRZ
 04110516+VE7 > DO33 AUE 50.125 VE6MK
 04110517 VE7MDL CN89 > CN85 52A 50 W N7DB
 04110700 VE7XF CN89 > CN84 AU 50 H K7ZL
 04110XXX VE4VHF AUE 50.036 B VE9AA
 04170450 VE6BPR, VE6BGT DO32 50 AU H VE6XT

04170450 VE6EKP DO33 > DO21 50 AU H VE6XT
 04170450 VE6NA DO20 50 AU H VE6XT
 04212344 VE6BPR > CN88 AU 50 H VE7SKA
 04220136 VE6BPR 70° AU 50.125 H VE7SKA
 04220350 VE6ARC 60° AU DO05 50.044 B VE7SKA
 04220416 VE6EMU 60° AU DO33 50.041 B VE7SKA
 04230205 VE4VHF EN19 > EM21 B WA5JCI
 04110400 CKCK 2 SK AUE 105° 855m T VE7SKA
 04110359 CBKMT 4 SK AUE 105° 792m T VE7SKA
 04110430 CBWFT 3 MB AUE 95° 1167m T VE7SKA

DOMINICAN REPUBLIC

03042314 HIOVHF 57 TE 50.010 B LW5EJU
 03170036 HIOVHF 51 TE 50.010 B LW5EJU
 04082024 HIOVHF 55 F2 -2235 50.010 B LW5EJU

GRENADA

03092316 J3EOC 519 TEP 50.056 B PY5CC
 03120040 J3EOC 599 TEP 50.056 B PY5CC
 03130105 J3EOC 519 TEP 50.056 B PY5CC
 03170100 J3EOC 51 TE 50.057 B LW5EJU
 03190030 J3EOC 529 TEP 50.056 B PY5CC
 03192325 J3EOC 529 TEP 50.056 B PY5CC
 03220008 J3EOC 519 TEP 50.056 B PY5CC
 03242330 J3EOC 519 TEP 50.056 B PY5CC
 03250001 J3EOC 519 TEP 50.056 B PY5CC
 03260020 J3EOC 519 TEP 50.056 B PY5CC

MEXICO

03191912 XE1KK 59 -1930 F2 50.023 B LW5EJU
 03312048 XE1KK 59+ F2 -2315 50.023 B LW5EJU
 04022205 XE1KK 57 F2 50.023 B LW5EJU
 04082011 XE1KK 59+ F2 -2255 50.023 B LW5EJU
 04181550 XE TV 2,3 T WA5IYX
 04181620 XE1KK -1740 B WA5IYX
 04181640 XHAP 2 GU ACAPULCO &1708 T WA5IYX

PUERTO RICO

03100009 WP4O 559 TEP 50.110 C PY5CC
 03160027 WP4 -0037 2 stns H LU2EGQ#
 03170028 WP4MSL 53 TE JOSE 50.110 S LW5EJU
 03220040 KP4EIT 52 TEP 50.110 S PY5CC

ST KITTS & NEVIS

03092315 V44K 579 TEP 50.054 B PY5CC
 03120040 V44K 599 TEP 50.054 B PY5CC
 03160049 V44K 52 TE 50.055 B LW5EJU
 03170036 V44K 53 TE 50.055 B LW5EJU
 03180035 V44K 519 TEP 50.054 B PY5CC
 03182350 V44K 599 TEP 50.054 B PY5CC
 03192325 V44K 579 TEP 50.054 B PY5CC
 03212354 V44K 599 TEP 50.054 B PY5CC
 03220005 V44K 599 TEP 50.054 B PY5CC
 03242330 V44K 519 TEP 50.054 B PY5CC
 03250001 V44K 559 TEP 50.054 B PY5CC
 03260020 V44K 559 TEP 50.054 B PY5CC

United States, W1

03282116+WIREZ FN55 > FN13 AU 144. W N2DKP
 04110124 K1ZE 59A EN41>FN13 144 W N2DKP
 04110258 WIREZ FN55>EN74 AU 144.2 N8CGY
 04110303 WIREZ 59A FN55>FN13 144 W N2DKP
 04212158 W1TDS FN32 >EN74 50.1 N8CGY
 04212240 WIREZ FN55 ME >FN20 AU 144 AA3GN
 04212355 W1 > EM76 AU 144.2 H NS4W

United States, W2

04102320 K2YAZ 59A EN34>FN13 144 W N2DKP
 04110139 K2YAZ EN74 222+432 AU W WB9SNR
 04110313 AA2QM FN34>EN74 AU 50.1 N8CGY
 04110325 K2MPE FN13 > FN21 AU 50. N2QXF
 04110347 WB2VVV 55A FN33>FN13 144 W N2DKP
 04110401 K2YAZ EN74 144 W KOGJX
 04110516 W2DRZ FN02 > DO33 AUE 50. VE6MK
 04211945 N2KFC FN30>FN13 AU 144 H K2SPO
 04211945 WA2AEY FN23>FN13 AU 144 H K2SPO
 04212139 WA2AEY FN23 >EN74 50.1 N8CGY
 04212219 WA2BPE 55A FN12* > EM79 50 N8ZJN
 04212226 WA2AEY 58A FN23 > EM79 50 N8ZJN
 04212256 N2HL FN02SR AU 432 H WE2Y
 04212338 WA2BPE FN12 >EN74 50.1 N8CGY

United States, W3

04110357 K3DMG 52A EN90>FN13 144 W N2DKP
04212154 K3UZY FN11 >EN74 144.2 N8CGY
04212348 KB3PW FN13 >EN74 50.1 N8CGY
04212355 W3 > EM76 AU 144.2 H NS4W

United States, W4

03282116 N4PZ EN52 > FN13 AU 144.2 W N2DKP
03311500-W4 > NY -1600- H W2DRZ
04102317 N4PZ 59A EN52>FN13 144 W N2DKP
04102331 N4PZ EN52>EN74 AU 144.2 N8CGY
04212050-KD4UPF 51A >FN13 222.104 W K2SPO
04212305 N4PZ EN52 IL > FN20 AU 144 AA3GN
04212344 AD4PJ FM08 >EN74 50.1 N8CGY
04230000+W4 EM66,55,56,40 EL59,49 W NOEC
04230000+W4 EM73,75,76,77,62,62,64 W NOEC
04230000+W4 FM05,06 EM83,84,85,86 W NOEC

United States, W5

03231545 N5JHV > DM09 K7XC
03301530 N5JHV > DM09 MS 50.125 H K7XC
03301811 N5OSK 54 OK > DN27 W W7GJ
03301827 N5JHV 59+60 DM62>DN27-1845 W7GJ
03301842 N5JEH CLG CQ Es H K7XC
03301842 W5DO DM65 > DM09 Es W K7XC
03311500-W5 > NY -1600- H W2DRZ
04040100 W5 > EM97 WEAK H KB8TEJ
04230000+W5 EM54 > DN70LF W NOEC
04230040 W5 NM > EM79xk N8ZJN
04230052+W5 NM,TX DM62,76,84> EM66 W KC4QWZ
04230116 W5 TX DM93 > EN74 59/59 W N8CGY

United States, W6

03301826 N6ZCP 55 DM06 WKD 1830 S WOMTK
03301830+WA6QGR 55 BILL DM06 > DM59 S WOMTK
03301841-W6/K7KMS 56 CHUCK DM06 S WOMTK
03301844 W6 DM04 > DM78 H NOYGM
04221628 K6QXY CM88 NOLL
04221745 W6SJR 59 DM14 > DN94 50 WD0T
04221745+K6RMJ 53 DM13 > DN94 50 WD0T
04221745+KB6NHK 59 DM13 > DN94 50 WD0T
04221745+KE6KDX 52 > DN94 50 WD0T
04242343 K6FV 59 CM87>CN88 -2358 B VE7SKA

United States, W7

03231856 W7/KE6ILX DN00>DM09 50.125 H K7XC
03301811+KD7GC DM33 > DN27 W W7GJ
03301822 N7SKT DM33 > DN27 W W7GJ
03301844 W7 CN84 > DM78 H NOYGM
03301849 W7GJ MT H WOMTK
04061358 N7ML CQ > DN31 MS 50.125 H WA7HQD
04110147 K7CAI 60° CN87 50.125 H VE7SKA
04110155 K7XW 60° CN86 50.125 C VE7SKA
04110158 W7ALW 60° DN26 50.125 C VE7SKA
04110200 W7HAH 70° DN28 50.062 B VE7SKA
04110200+W7HAH AU 144.H K0GU
04110206 K7XW 50° CN86 144.200 C VE7SKA
04110209 K7NQ 50° CN87 144.200 C VE7SKA
04110216 K7GS DN17 50.125 H VE7SKA
04110220 K7GS DN17 > DO31AH 144 AU W VE6TA
04110220+AB7CS CN87 > DO31AH 144 AU W VE6TA
04110220+K7CAI CN87 > DO31AH 144 AU W VE6TA
04110220+K7GX CN87 > DO31AH 144 AU W VE6TA
04110220+K7JX CN87 > DO31AH 144 AU W VE6TA
04110220+K7LD CN87 > DO31AH 144 AU W VE6TA
04110220+K7NQ CN87 > DO31AH 144 AU W VE6TA
04110220+KI7WB CN94 > DO31AH 144 AU W VE6TA
04110220+W7HAH > DO31AH 144 AU H VE6TA
04110220+W7OE DN17 > DO31AH 144 AU W VE6TA
04110220+W7YOZ CN87 > DO31AH 144 AU W VE6TA
04110220+W7ZFX CN88 > DO31AH 144 AU W VE6TA
04110220+WI7Z CN87 > DO31AH 144 AU W VE6TA
04110225 W7HAH 50° DN26 144.203 C VE7SKA
04110235 WB7DHC 60° CN97 50.140 S VE7SKA
04110239 N7ML 80° DN45 50.131 S VE7SKA
04110246 W7PQE CN96 144.200 H VE7SKA
04110253 K7ZL 80° CN84 144.200 C VE7SKA
04110256 KI7WB 80° CN94 144.196 C VE7SKA
04110258 N7ML DN45 > CN85 53A 50 W N7DB
04110300+W7 WA,ID,OR > DN17 AU N3CEV/7
04110304 KJ7Y CN87 > CN85 55A 144 W N7DB
04110309 KC7CCK 60° DN06 50.135 S VE7SKA

04110310 W7EW 110° CN84 50.150 S VE7SKA
04110314 W7YOZ CN87 > CN82 AU 144.2 W K6ZX/7
04110314+W7OE > CN82 AU 144 H K6ZX/7
04110318 W7HAH > CN85 144 H N7DB
04110318 W7OE DN17 > CN85 59A 144 W N7DB
04110319 WA7SKT 100° CN86 50.150 S VE7SKA
04110323 WB7DHC DN97 > CN85 52A 50 W N7DB
04110330 K7NQ CN87>CN84 AU 144 H K7ZL
04110332 WB7DHC 45° CN97 144.200 H VE7SKA
04110355 W7HAH DN26 > CN84 AU 144 W K7ZL
04110355+K7JY CN87 > CN84 AU 144 W K7ZL
04110355+W7OE DN17 > CN84 AU 144 W K7ZL
04110355+WB7DHC > CN84 AU 50 S K7ZL
04110412 K7RWT AU 75° CN85 50.1 H VE7SKA
04110442 K7MQF 45° CN88 50.125 S VE7SKA
04110516+W7 > DO33 AUE 50.125 VE6MK
04212344 W7HAH > CN88 AU 50.062 B VE7SKA
04212344 W7HAH 75° AU DN28 50.062 B VE7SKA
04220021 W7HAH 70° AU DN26 50.125 C VE7SKA
04220233 N7EPD 65° AU CN87 50.125 H VE7SKA
04220243 K7GS 55° AU DN17 144.200 C VE7SKA
04220259 KD7IY 70° AU DN14 144.200 C VE7SKA
04220301 K7XD 75° AU CN85 50.135 C VE7SKA
04220337 W7 AU > DN27 50 W W7GJ
04221745+W7DZG 59 DM51 > DN94 50 WD0T

United States, W8

04092003 N8ZAT AU 144.2 H N0JK
04110033 K8NNU 55A EN82>FN13 144 W N2DKP
04110052 W8RU EN 82 50 W K0GJX
04110057 KU8Y 59A EN61>FN13 144 W N2DKP
04110101 AC8W EN82 144 W K0GJX
04110109 W8BC 55A EN82>FN13 144 W N2DKP
04110110 AC8W EN82>EN74 AU 144.2 N8CGY
04110110 KO8Y EN57 144 AU W WB9SNR
04110118 WA8TWL 55A EN91>FN13 144 W N2DKP
04110130 N8CGY EN74 > EM79 AU 144. W N8ZJN
04110130 N8ZJN EM79>EN74 AU 50.1 N8CGY
04110130+KB8YPT EN83 > EM79 AU 144. W N8ZJN
04110130+N8QEM EN62 > EM79 AU 144. W N8ZJN
04110131 N8PUM 54A EN65>FN13 144 B N2DKP
04110132 N8CGY 55A EN74* > EM79 50 N8ZJN
04110133 KA8JOM EN66>EN74 AU 50.1 N8CGY
04110147 KB8YPT 57A EN83* > EM79 50 N8ZJN
04110149 N8QEM 45A EN62 > EM79 50 N8ZJN
04110158 K8SD EN12 144 W K0GJX
04110237 K8SD 55A/53A EN12 144. K0GU
04110343 W8KC 58A EN82>FN13 144 W N2DKP
04110352 K8KD 53A EN82>FN13 144 W N2DKP
04110355 WA8DXB 55A EN91>FN13 144 W N2DKP
04110516+KB8MBC EN73 > DO33 AUE 50. VE6MK
04110526 KB8MBC 58A EN73* > EM79 50 N8ZJN
04212022 N8PUM EN65>FN13 AU 144.278 B N2DKP
04212050 N8ZJN EM79 >EN74 50.1 N8CGY
04212055 N8ZJN EM79>EN74 AU 50 W N8CGY
04212057 N8CGY 53A EN74 > EM79 50 N8ZJN
04212126 N8PUM 55A EN65>EN74 50.067 B N8CGY
04212131 KC8CWT 52A EN76* > EM79 50 N8ZJN
04212203 KB8WFN EN90 >EN74 50.1 N8CGY
04212205 W8COY 55A EN74 > EM79 50 N8ZJN
04212325 KC8AGW EN90 >EN74 50.1 N8CGY
04212340 N8NYE EN91 >EN74 50.1 N8CGY
04212345 N8LGP EN91 >EN74 50.1 N8CGY
04212351 KA8JOM EN66 >EN74 50.1 N8CGY
04212354 WA8WJV EN83 >EN74 50.1 N8CGY
04220008 KB8YKR EM79 >EN74 50.1 N8CGY
04220011 N8LGY 52A EN91 > EM79 50 N8ZJN
04220016 WB8ALP 52A EN82 > EM79 50 N8ZJN

United States, W9

04092003 K9DTB CQ AURORA 144.201 H N0JK
04102337 WB9HLM 41A EN52>FN13 144 W N2DKP
04110019 N9CIQ 41A EN44>FN13 144 W N2DKP
04110040 K9CA 31A EN61>FN13 144 W N2DKP
04110051 W9RM EN52 50 W K0GJX
04110052 K9MRI EN70>EN74 AU 144.2 N8CGY
04110110 K9IA EN53 50 W K0GJX
04110122 NN9K 59A EN41>FN13 144 W N2DKP
04110125 W9 > EN13 AUR H K8SD/0
04110130+KB9JIF EN63 > EM79 AU 144. W N8ZJN
04110143 W9 50.125 H NOEDV
04110144 W9NVK 54A EN62>FN13 144 W N2DKP

04110148 KB9JIF 57A EN62* > EM79 50 N8ZJN
 04110215 WB9SNR 55A/53A EN62 144. KOGU
 04110230+WRM > EM48 AU WAOBZ
 04110241 WB9HLM 52A/53A EN52 144. KOGU
 04110246 WA9KRT 52A/53A EN61 144. KOGU
 04110336 KB9KRU 45A EN61 > EM79 50 N8ZJN
 04212150 N9PW 56A EN52 > EM79 50 N8ZJN
 04212206 N9ZAW EN51 > EN74 50.1 N8CGY
 04212247 KW9KW 55A EN40* > EM79 50 N8ZJN
 04212300 WB9WHQ 56A EN45* > EM79 50 N8ZJN
 04212329 WB9WHQ EN45 > EN74 50.1 N8CGY
 04212331 KW9KW EN40 > EN74 50.1 N8CGY
 04212337 NA9N EN61 > EN74 50.1 N8CGY
 04212355 W9 > EM76 AU 144.2 H NS4W
 04220010 N9PEZ EN50 > EN74 50.1 N8CGY
 04220012 N9WHY EN60 > EN74 50.1 N8CGY
 04230025 W9 WI EN45 > EM21 H WA5JCI
 04230207 N9TIQ EN44 > EM21 W WA5JCI

United States, W0

04102244 KAORYT EN34>EN74 AU 144.2 N8CGY
 04110045 WA0DXZ EN41 144 W KOGJX
 04110112 KOKD 55A EN31>FN13 144 W N2DKP
 04110120 NOUSG EN34>EN74 AU 50.1 N8CGY
 04110130+KOKTP EN43 > EM79 AU 144. W N8ZJN
 04110139 KOKTP 53A EN43* > EM79 50 N8ZJN
 04110139+KAORYT EN34 LOUD 432 AU H WB9SNR
 04110143 W0 50.125 H NOEDV
 04110148 WO0HU 56A EN34>FN13 144 W N2DKP
 04110151 KOSM EN10 RUNNING 20W 144 W KOGJX
 04110200 KAORYT EN34>EN74 AU 144.2 N8CGY
 04110200+KOMQS AU 144. H KOGU
 04110200+KBOPYO AU 144. H KOGU
 04110201 NOHQL EN28 50 W KOGJX
 04110202 KOMQS 55A EN31>FN13 144 W N2DKP
 04110205 W0/WA2HFI 53A/53A EN34 144. KOGU
 04110212 WB0SOK 55A/53A EN34 144. KOGU
 04110214 WYOV 55A/54A EN12 144. KOGU
 04110218 KOGU DN70 144 AU W WB9SNR
 04110218 NOLL 54A/52A EM09 144. KOGU
 04110219 KOKD 56A/57A EN31 144. KOGU
 04110233 KBOPYO 59A/56A EN24 144. KOGU
 04110235 KAORYT 52A/53A EN34 144. KOGU
 04110245+KOGU DN70 AU WOLER
 04110245+KOGU DN70 > EM17 55AU 144 H NOJK
 04110245+KOMQS EN31 > EM17 55AU 144 H NOJK
 04110245+NOLL EM09 > EM17 55AU 144 H NOJK
 04110245+W0/W2AH DM78 AU WOLER
 04110251 KOMQS 55A/56A EN31 144. KOGU
 04110256 W0AH DM78 CO 144 W KOGJX
 04110258 KAOZYD 53A EN34 144. KOGU
 04110300-W0 IA,MN > DN70 AU NOEC
 04110303 WOLER 55A/53A EN35 144. KOGU
 04110336 KAORYT 57A EN34>FN13 144 W N2DKP
 04110348 WBOOAJ DN86 ND 144 W KOGJX
 04110350 WOIZ 53A EN42>FN13 144 W N2DKP
 04212245 KAORYT 55A EN34>EN74 432.1 W N8CGY
 04230052+W0 CO DM67,69,DN70 > EM66 W KC4QWZ
 04230052+W0 KS DM99 > EM66OK W KC4QWZ
 04230210+W0 MN - 0225 > EM21 H WA5JCI

03021407 VK4BKM 50.160 S JE4JFP
 03021410 VK4FNQ 50.180 S JR2HCB
 03021415 VK4JH 50.115 S JR2HCB
 03021421 VK4FNQ 50.180 S JE4JFP
 03021428 VK4JH 50.120 C JE4JFP
 03031412 VK4TL 50.110 S JR2HCB
 03041526 VK4TL 50.110 S JR2HCB
 03151440 VK4JH 50.115 S JR2HCB
 03151500 VK4JSR 50.150 S JA1-7
 03151500 VK4JSR 50.150 S JR2HCB
 03151505 VK4DMI 50.133 S JA1-7
 03151505 VK4DMI 50.133 S JR2HCB
 03151507 VK4DMI 50.110 S JA7WSZ
 03151509 VK4AR 50.180 S JA7WSZ
 03161428 VK4BKM 50.110 S JR2HCB
 03161430 VK4BKM 50.114 S JA1/2/3
 03161433 VK4JH 50.075 C JR2HCB
 03161446 VK4JH 50.114 C JA1/2/3
 03161448 VK4BKM 50.135 S JR2HCB
 03220353 VK4 TV0 -0500 >QM05 46.17 V JA1VOK
 03300430 VK4 TV0 -0600 >QM05 46.17 V JA1VOK
 04020530 VK4 TV0 -0600 >PM95 46.17 V JH1WHS
 04070450 VK4BRG > QG62 50.077 B JA1RJU
 04070459 VK4GPS > QG62 50.120 S JA1RJU
 04070510 VK4GPS >PM85 50.110 S JE2DWZ
 04070533 VK4FNQ >PM85 50.180 S JE2DWZ
 04070537 VK4FNQ 50.180 S JA1RJU
 04070542 VK4ABP >PM85 52.345 B JE2DWZ
 04070542 VK4BRG >PM85 50.0775 B JE2DWZ
 04130405 VK4 TV0 -0510 >QM05 46.17 V JA1VOK
 04130909 VK4TL >PM74 50.110 H JJ3WXG
 04130913 VK4TL 59 180° QH23 50.115 S JA1RJU
 04190523 VK4RGG 539 > RE57 B ZL3TY
 04190557 VK4AR, VK4JSR W ZL3TY
 04200405 VK4 TV0 -0450 >QM05 46.17 V JA1VOK

West AUSTRALIA-VK6

03151505 VK6YBQ 50.120 S JA1/2
 03151510 VK6YBQ 50.120 S JR2HCB

AUSTRALIA-Tasmania-VK7

04102140 VK7 VID HOBART AUR 57. V VK3OT
 04162133 VK7JR 57 W VK3OT
 04190100 VK7RAE 519 -0110 B ZL3TY

AUSTRALIA-Northern Territory-VK8

03151450 VK8RAS/B 50.047 B JR2HCB
 03151530 VK8RAS/B PG66 50.047 JA1/2
 04031147 VK8VF -1157 >PM63 50.057 B JA5CMO
 04031153 VK8VF 579 >PM53 50.057 B JA6TEW
 04070537 VK8RAS > PG66 50.047 B JA0HME
 04070555 VK8RAS >PM85 50.0465 B JE2DQZ
 04130801 VK8VF >PM64 50.057 B JH4JPO
 04130801 VK8VF 559 180° 50.057 B JH4JPO
 04130810 VK8ZMA >PM64 50.110 S JH4JPO
 04130810 VK8ZMA 59+ 180° 50.110 JH4JPO

HAWAIIAN IS.

04050616 KHON 2 HI -1109 TE 55.26 V ZK1AA
 04050616+KGMV 3 HI WAILUKU 61.25 V ZK1AA
 04050616+KH6HME B ZK1AA
 04050616+KITV 4 HI HONOLULU 67.24 V ZK1AA
 04060715 KHON 2 HI -1205 55.26 V ZK1AA
 04070715 KHON 2 HI -0820 55.26 V ZK1AA
 04071500 KHON 2 HI -1600 WEAK V ZK1AA
 04090615 KHON 2 HI -0655 STRONG V ZK1AA
 04110525 KHON 2 HI -0830 STRONG V ZK1AA
 04110525+KFVE 5 HI HONOLULU 77.25 V ZK1AA
 04110525+KGMV 3 HI WAILUKU 61.25 V ZK1AA
 04110525+KH6HME B ZK1AA
 04110525+KHBC 2 HI HILO 55.25 V ZK1AA
 04110525+KITV 4 HI HONOLULU 67.24 V ZK1AA
 04170545 KH6HME 569 >0745 B ZK1AA
 04170545 KHON 2 HI -1033 V ZK1AA
 04170545+KFVE 5 HI HONOLULU 77.25 V ZK1AA
 04170545+KGMV 3 HI WAILUKU 61.25 V ZK1AA
 04170545+KHBC 2 HI HILO 55.25 V ZK1AA
 04180725 KHON 4 HI HONOLULU 67.24 V ZK1AA
 04180725 KHON 2 HI -1035 STRONG V ZK1AA
 04180725+KH6 CHS 3,4,5 V ZK1AA
 04180725+KH6HME 569 B ZK1AA
 04180725+KHBC 2 HI HILO 55.25 V ZK1AA

Reports of Oceania

AUSTRALIA General

02241540 VK-TV 46.170 V JA4
 02261500 VK-TV 46.170 V JA0
 03201249 VK-TV 46.170 F JA7WSZ
 03211210 VK-TV 46.170 F JA7WSZ
 04102140 VK VID 46.172 V VK3OT
 04102140 VK VID WAGGA HOLLOW 46.240 V VK3OT
 04190100 VK TV S2 -0820 46.24 V ZL3TY
 04190440 VK TV TO S9 -0820 46.17 V ZL3TY
 04200230 VK TV 58 46.17, 44 46.240 V ZL3TIC

AUSTRALIA-Queensland-VK4

03021332 VK4JH 50.120 S JA5GJN/4
 03021340 VK4BKM 50.160 S JA5GJN/4
 03021345 VK4FNQ 50.180 S JA5GJN/4
 03021348 VK4BKM 50.160 S JI1CPN
 03021349 VK4BKM 50.110 S JR2HCB
 03021349 VK4JH 50.120 S JI1CPN
 03021405 VK4WDM 50.120 S JR2HCB

04190517 KHON 2 HI -1134 STRONG V ZK1AA
 04190517+KH6 CHS 3,4,5 V ZK1AA
 04190517+KH6HME 569 B ZK1AA
 04190517+KHBC 2 HI HILO 55.25 V ZK1AA
 04200845 KHON 2 HI -1255 55.26 V ZK1AA
 04200845+KH6 HILO 2 + CHS 3,4,5 V ZK1AA
 04200845+KH6HME B ZK1AA
 04230644 KHON 2 HI -1054 55.26 V ZK1AA
 04230644+KH6 HILO 2 + CHS 3,4,5 V ZK1AA
 04230644+KH6HME B ZK1AA
 04250900 KHON 2 HI -1200 CD 55.26 V ZK1AA
 04250900+KH6 HILO 2 + CH2 3,4,5 V ZK1AA
 04250900+KH6HME B ZK1AA

NEW ZEALAND

04170540 ZL TV S3 AUR -0600 45.25 V ZL3TY

Reports of South America

ARGENTINA

03092300 LU3EMK 59 HECTOR GW 50.120 S LW5EJU
 03092300 LU8EDR 58 DANIEL GW 50.120 S LW5EJU
 03121920 LU3EMK 59 HORACIO GW .120 S LW5EJU
 03122014 LU5JAU 59+ DANIEL TR .120 S LW5EJU
 03142211 LU8YYO 59 Es 50.033 B LW5EJU
 03160022 LU5JAU 59+TR DANIEL 50.110 S LW5EJU
 03161359 LU5JAU 59+ TR 50.120 S LW5EJU
 03292129 LU9EHF 53 BackScatr 50.016 B LW5EJU
 03302055 LU9EHF 53 BackScatr 50.016 B LW5EJU
 03302100 LU6DRV 53 JOSE GW 50.110 S LW5EJU
 03312050 LU5JAU 59+ TR 50.110 S LW5EJU

BRAZIL

03121900 PU7AGQ 59+ Es ALAGUAS .110 S LW5EJU
 03160018 PP2RON 52 Es Brazilia .110 S LW5EJU
 03292128 PP2RON 57 Es RON 50.110 S LW5EJU
 03301936 PU7AGQ 51 ALFREDO Es 50.110 S LW5EJU
 03302037 PU7AGQ 52 ALFREDO Es 50.109 S LW5EJU
 03302043 PP7JW 51 MARCIO Es 50.110 S LW5EJU

URUGUAY

03292129 CX1CCC 52 BackScatr 50.019 B LW5EJU
 03312110 CX2IY 51 TR 50.110 S LW5EJU

VENEZUELA

03010030 YV4AB 57 TE 50.025 B LW5EJU
 03030012 YV4AB 53 TE 50.025 B LW5EJU
 03042314 YV4AB 59 TE 50.025 B LW5EJU
 03060023 YV4AB 57 TE 50.025 B LW5EJU
 03100000 YV4AB 57 TE 50.025 B LW5EJU
 03120040 YV4AB 599 TEP 50.025 B PY5CC
 03130012 YV4AB 53 TE 50.025 B LW5EJU
 03130105 YV4AB 529 TEP 50.025 B PY5CC
 03160049 YV4AB 59 TE 50.025 B LW5EJU
 03170036 YV4AB 53 TE 50.025 B LW5EJU
 03180030 YV4AB 57 TE 50.025 B LW5EJU
 03190030 YV4AB 52 TE 50.025 B LW5EJU
 03190150 YV4AB 529 TEP 50.025 B PY5CC
 03200030 YV4AB 58 TE 50.025 B LW5EJU

DX-peditions/Operations

Iceland, TF/PA3DWD: This year I will spend my vacation on Iceland and will be active on 50 MHz as much as possible. I will be QRV from about June 26 until July 16. I have already received permission from the Icelandic Telecommunications. The rig will be an IC706 and 4 el beam combined with a 1/4 wave vertical on the car. We will be active from different squares because we travel around by car. Supposed frequencies 50.123 or eventually 50.110. Also I will listen on 28.885. (tnx SM7AED).

St. Paul Is., CY9AA: VE9AA's trip is now scheduled for June 26 to July 3.

Bahamas, C6AIE: John, WZ8D, will be QRV on 6m with 250W to a 3 or 4 el beam from EM79 June 5-19. He also will be QRV on 160m-23cm. He will be operating from Steve,

N4JQQ's C6AFP QTH, which is available for rental for much of the summer Es season. (Steve's phone is 901-374-0927.)

Joe Pater will be going to Crooked Is. in the Bahamas May 30 through June 2 and will be QRV on 6m.

Nicaragua: JA7WFM is QRV on 50 MHz as YN6WFM until December 1997.

Ireland, EI/G7UEG/P: The Northern VHF Activity Group will be active from June 28 to July 12 on 2, 4, and 6m. QRG on 6m = 50.122±QRM. The first week activity is planned from IO41,42,51, and 52. The second week IO44 and IO54. QSL via bureau or direct to G7DKX with SASE + IRC. Tnx SM7AED & UKSMG.

Balearic Is., EA6IB/P: will be active from JM09SB during all the VHF-UHF Contests and also some other days, on vhf-uhf bands 50 MHz to 1292 MHz.

Annobon Island, 3C0: The Union de Radioaficionados Espanoles (URE) is planning to go to Annobon May 20-27 and to include 6m as well as HF.

South Pacific: Jack Haden, VK2GJH, will be island hopping with an Icom 736 Plus Trap Dipoles and Vertical for 6m. His itinerary is as follows:

Depart:	Date	Arrive:	Date	Callsign
Suva	June 27	Rabi Is.	June 28	3D2JH
Rabi	June 30	Suva	July 1	3D2JH
Suva	July 2	Funafuti	July 5	T20JH
Funafuti	July 7	Tarawa	July 11	T30JH
Tarawa	July 13	Banaba	July 15	T33JH
Banaba	July 23	Nauru	July 24	N/A
Nauru	July 25	Tarawa	July 27	T30JH
Tarawa	July 28	Rotuma	Aug 1	3D2JH/R
Rotuma	Aug 2	Suva	Aug 5	3D2JH

QSL PO Box 299, Ryde, NSW 2112 AUSTRALIA

QSL News

CO2KK: I have received the following letter from Herman Cone III, N4CH (previously WB4DBB):

I've spoken to Arnie, CO2KK, several times over the past few weeks. Unfortunately he's having problems with the 6 meter (SB-110) transceiver, and that's why he wasn't on 6 much last summer. He's trying to get it back on the air. Meanwhile, he is active on the low bands (shows up often 3790-3800), and he also has a new QSL manager: W5WP (formerly WQ5Y) has all logs starting January 1, 1997, but other important QSOs (^ meters) can be confirmed, but may take longer. (I got a QSL for my 75 meter QSO with Arnie, and it only took a week or so.)

Beacon News

HV3SJ: Do to very urgent revision works to the building where HV3SJ was located, it has been removed, and we cannot say when it will be reactivated. IK0FTA via SM7AED.

PA3FYM: On March 13 the beacon is replaced at the University and we are awaiting to see if there are still problems in the Biological Department. The beacon delivers 15W to a dipole, direction N/S @ 45m ASL. Frequency (mark) is 50.0528. PA3FYM via SM7AED.

C6AFP: WZ8D hopes to install a 6 and 2 meter beacon in FL16. It is being built by Earl, W8MGJ, and will run 1/2 watts (each band).

1997 50 MHz Needs Survey Summary of Results

Tabulated below is a summary of results from the 1997 50 MHz DXCC Needs Survey received through April 1, 1997. Responses have been sorted to provide results from the Eastern and Western half of North America as well from North America as a whole. Complete tabulations from each area are also attached.

Eastern North America (fields EL, EM, EN, FM, FN)

Rank	Prefix	DXCC Country (% Need)
1	KP1	Navassa Is. (93%)
1	HK0	Malpelo Is. (93%)
3	TI9	Cocos Is. (91%)
4	YV0	Aves Is. (88%)
5	F0	Clipperton Is. (77%)

Rank	Prefix	DXCC Country (% Need)
6	KP5	Desecheo Is. (74%)
7	HK0	San Andreas & Prov. (72%)
8	XF4	Revilla Gigedo (65%)
8	YN	Nicaragua (65%)
10	CY9	St. Paul Is. (60%)

Western North America (fields CM, CN, DM, DN, Mexico & Cent. America)

Rank	Prefix	DXCC Country (% Need)
1	TI9	Cocos Is. (100%)
2	CY9	St. Paul Is. (96%)
3	OX	Greenland (93%)
3	HK0	Malpelo Is. (93%)
5	FP	St. Pierre & Miquelon (89%)
5	KP1	Navassa Is. (89%)

Rank	Prefix	DXCC Country (%Need)
5	YV0	Aves Is. (89%)
8	FY	French Guiana (81%)
9	FG	Guadeloupe (78%)
9	J7	Dominica (78%)
9	J8	St. Vincent & Dep. (78%)

North America - Total

Rank	Prefix	DXCC Country (%Need)
1	TI9	Cocos Is. (94%)
2	HK0	Malpelo Is. (92%)
3	KP1	Navassa Is. (91%)
4	YV0	Aves Is. (89%)
5	FO	Clipperton Is. (76%)

Rank	Prefix	DXCC Country (%Need)
6	CY9	St. Paul Is. (74%)
6	KP5	Desecheo Is. (74%)
8	HK0	San Andreas & Prov. (69%)
8	YN	Nicaragua (69%)
10	XF4	Revilla Gigedo (67%)

Survey question results:

What frequency (ies) should dx-peditions to these rare (most needed) countries operate on?

Frequency	East Coast Votes	West Coast Votes	Total Votes
50.110 MHz	21	8	29
50.125 MHz	14	9	23
Other	11	13	24

Note: Many respondents did not indicate an opinion on preferred operating frequency for dx-peditions. In addition many of the respondents modified their frequency choice by addition of comments to the survey form. To say there is not a consensus is an understatement! One of the most frequently made comments was that none of the dx-peditions should actually *operate* on any of the calling frequencies. Once contact is made (the band is confirmed to be open and there is a pile up) dx-peditions should move off of the calling frequency. A number of respondents also commented on the problem of TV birdies and other interference on the frequencies between 50.111 and 50.117 MHz in North America and urged operators to avoid this band segment.

1997 50 MHz DXCC Needs Survey Results

North America - Total

April 1, 1997

The following results were tabulated from responses received from six meter operators located in the North American continent. DXCC Countries are ranked according to percentage of respondents still needing to work each country.

Rank	Prefix	DXCC Country (*)	% Need
1	TI9	Cocos Is. (2)	94
2	HK0	Malpelo Is. (1)	92
3	KP1	Navassa Is. (3)	91
4	YV0	Aves Is. (7)	89
5	FO	Clipperton Is. (7)	76
6	CY9	St. Paul Is. (5)	74
6	KP5	Desecheo Is. (10)	74
8	HK0	San Andreas & Prov. (17)	69
8	YN	Nicaragua (15)	69
10	XF4	Revilla Gigedo (12)	67
11	FP	St. Pierre & Miquelon (13)	59
11	J8	St. Vincent & Dep. (21)	59
13	J7	Dominica (18)	57
13	OX	Greenland (6)	57
15	FG	Guadeloupe (7)	53
15	FY	French Guiana (19)	53
17	YS	El Salvador (24)	51
18	FJ,FS	Saint Martin (26)	46
19	CY0	Sable Is. (4)	44
19	HR	Honduras (11)	44
19	J6	St. Lucia (21)	44
19	4U	HQ, United Nations (30)	44
23	J3	Grenada (28)	43
23	PJ5-8	St. Maarten (30)	43
23	TG	Guatemala (13)	43
26	8R	Guyana (34)	41
27	V2	Antigua & Barbuda (41)	40
28	V3	Belize (16)	39

Rank	Prefix	DXCC Country	% Need
28	V4	St. Christopher & Nevis (21)	39
28	VP2E	Anguilla (25)	39
28	VP2V	Br. Virgin Is. (26)	39
32	KG4	Guantanamo Bay (34)	37
33	9Y	Trinidad & Tobago (39)	36
33	PZ	Surinam (29)	36
35	HI	Dominican Republic (36)	34
36	FM	Martinique (30)	33
36	HP	Panama (19)	33
38	VP9	Bermuda (43)	31
38	8P	Barbados (36)	31
40	VP2M	Montserrat (39)	29
40	6Y	Jamaica (30)	29
42	HK	Colombia (49)	27
43	P4	Aruba (36)	26
44	YV	Venezuela (52)	24
45	KP2	Virgin Is. (43)	23
46	ZF	Cayman Is. (47)	21
47	HH	Haiti (43)	20
48	PJ	Neth. Antilles (41)	19
49	KL7	Alaska (49)	17
50	CM,CO	Cuba (46)	14
50	T!	Costa Rica (52)	14
50	VP5	Turks & Caicos Is. (48)	14
53	C6	Bahamas (49)	13
54	KP4	Puerto Rico (52)	10
55	XE	Mexico (55)	7
56	VE	Canada (56)	4

(*) = Indicates previous rank from 1994 survey

% Need = The percentage of total respondents still needing to work the indicated DXCC country

The 1997 50 MHz DXCC Needs Survey was compiled for the 50 MHz DX Bulletin by Ray King WB8YFE and is intended to encourage six meter activity from the most needed DXCC countries workable from North America via sporadic E. Survey responses received through April 1, 1997 were included in the tabulation.